

FIG. 1

Cardi-Act1

GGAATTCGGCAGGAGGCCACCTCAGAGGA GGAGGGTCCTGCCTGCTGGGAGTTAATTAG 60
CCTTAAGCCGTGCTCCGGTGGGAGTCTCCT CCTCCAGGACGGACGCCCTCAATTAATC

CCTCGGAGCGCGGAGGGGGAGGCGCCAG TTTTCTGGGGACACTGGCGGCCACTGTGCG 120
GGAGCGCTCGCCGCTCCCCCTCCGCGGTC AAAAGACCCCTGTGACCGCGGTGACACGC

TCCTCCTACCCAAGGGAGCTCCCCAAGAGT TGGATGAATTCTGGGTTGTTAGCTGCTGTC 180
AGGAGGATGGGTTCCCTCGAGGGGTTCTCA ACCTACTTAAGACCCAACAATCGACGACAG

CTCTGGGCTCCCGGAGCCAGTTTCTGGTG GAAAGCGGGGCGCCTGGCCAACGACCAGCG 240
GAGACCGAGGGCCCTCGGTCAAAGACCAC CTTTCGCCCCGCGGACCGGTTGCTGGTTCG

GCTTGCTGAGACTCACCATGACACTCCTGG GGTCTGAACACTCTTTGCTGATTAGAAGGA 300
CGAACGACTCTGAGTGTACTGTGAGGACC CCAGACTTGTGAGAAACGACTAATCTTCCT

AGTTCGGATCAGTCTTACAGTTACGGCTTC AACAGAGAAGGACCCAGGAGCAGCTGCCTA 360
TCAGGGTAGTCAGAATGTCAATGCCAAG TTGTCTCTTCTGGGTCCTCGTCGACCGAT

ACCAAGGCTTAATACCGCCACTGAAAGGTC CAACTGAATCCATGACCCGAGAAAACAAT 420
TGTTCCGAATTATGGCGGTGACTTTCCAG GTTGACTTAAGGTACTGGGCTCTTTTGTTA

TGGATAGTGCCAAGACTGAAGATTCCCTGA GCGCAAGGCGAGAAACAGGTCCGACCGTG 480
ACCTATCACGGTCTGACTTCTAAGGGACT CCGCGTTCCTGCTTTGTCCAGGCTGGCAC

CCAGCCTGGTTACTATGCACATTCTCCAAG CCTCCACGGCAGAAAGGTCCATTCCAATG 540
GGTCGGACCAATGATACGTGTAAGAGGTTG GGAGGTGCCGTCTTTCCAGGTAAGGTTGAC

CTCAGATGAAGCTCAAAGAGCCCGCCTTG CAGATGACCTCAATGAGAAGATCGCTCTCC 600
GAGTCTACTTCGAGTTTCTCGGGCGGAAC GTCTACTGGAGTTACTCTTCTAGCGAGAGG

GCCAAGGCCCTTGGAAGTGGTGGAGAAGAA CATTCTGCCGATGGATTCTTCGTTGAAAGA 660
CGGTTCCGGGAACCTTGACCACCTCTTCTT GTAAGACGGCTACCTAAGAAGGCATTTCT
M D S S V K E

GGCTATAAAAGGTACTGAGGTGAGCCTCTC CAAGGCAGCAGATGCATTGCGCTTTGAGGA 720
CCGATATTTCCATGACTCCACTCGGAGAG GTTCCGTCGTCTACGTAAGCGGAAACTCCT
A I K G T E V S L S K A A D A F A F E D

TGACAGCAGTAGAGATGGGCTCTCTCCAGA TCAGGCTAGGAGCGAGGACCCCGGGGCTC 780
ACTGTCGTCTCTTACCCGAGAGAGGTCT AGTCCGATCCTCGCTCCTGGGGTCCCGAG
D S S R D G L S P D Q A R S E D P Q G S

TACAGGATCCACCCAGACATCAAATCCAC TGAGGCTCCTCTGGACACAATCCAGGATCT 840
ATGTCTTAGGTGGGTCTGTAGTTTAGGTG ACTCCGAGGAGACCTGTGTTAGGTCTAGA
T G S T P D I K S T E A P L D T I Q D L

CACTCCTGGCTCAGAAAGTGACAAGAATGA TGCAGCCTCCAGCCAGGCAACCAGTCAGA 900
GTGAGGACCGAGTCTTCACTGTCTTACT ACGTCGGAGGGTCGGTCCGTTGGTCAGTCT
T P G S E S D K N D A A S Q P G N Q S D

CCCTGGGAAGCAGGTTCTCGGCCCTCAG CACCCCGATTCTGTGCACACTGCTGTAAA 960
GGGACCCCTTCGTCCAAGAGCCGGGGGAGTC GTGGGGCTAAGGACAGTGTGACGACATTT
P G K Q V L G P L S T P I P V H T A V K

GTCCAAGTCTTTGGGTGACAGTAAGAACCG CCACAAAAGCCCAAGACCCCAACCAAA 1020
CAGGTTTCAGAAACCACTGTCAATTCTTGGC GGTGTTTTTCGGGTTTCTGGGGTTGGTTT
S K S L G D S K N R H K K P K D P K P K

GGTGAAGAAGCTCAAATACCATCAGTACAT CCCCCAGACCAGAAGGCAGAGAAGTCTCC 1080
CCACTTCTTCGAGTTTATGGTAGTCATGTA GGGGGTCTGGTCTTCCGCTCTTTCAGAGG
V K K L K Y H Q Y I P P D Q K A E K S P

CCCCCCTGGACTCTGCTATGCCCGGCT GCTCCAGCAACAGCAGTATTCCTGCAGCT 1140
GGGTGGGTACCTGAGACGGATACGGGCGGA CGAGGTCGTGTGTCGATAAGGACGTCGA
P P M D S A Y A R L L Q Q Q Q L F L Q L

ACAGATCTCAGCCAGCAGCAGCAACAGCA GCAGCAACAGCAGCAGCAGCAACAGCAGCA 1200
TGTCAGGAGTCGGTCGTCGCTGTGTCGT CGTCGTGTGTCGTCGTCGTTGTCGTCGT

FIG. 2

Q I L S Q Q Q Q Q Q Q Q Q Q Q Q Q Q
 GCAGCAGCAGCAGCAGCGTTACGCTACCC TGGGATGCACCAACACACCTCAAAGAACC 1260
 CGTCGTCGTCGTCGTCGCAAGTCGATGGG ACCCTACGTGGTTGTGTGGAGTTTCTTGG
 Q Q Q Q Q R F S Y P G M H Q T H L K E P
 AAATGAACAGATGGCCAGAAATCCGAATCC TTCTTCAACACCACTGAGCAATACCCCTCT 1320
 TTTACTTGTCTACCGGTCTTTAGGCTTAGG AAGAAGTTGTGGTGACTCGTTATGGGGAGA
 N E Q M A R N P N P S S T P L S N T P L
 ATCCCTGTCAAATAAGCATTTCTGGACA AACTGGTGTCTTCTCTCAAACAGGCCC 1380
 TAGGGGACAGTTTTATCGTAAAGACCTGT TTGACCACAAAGAAGAGAGTTTGGTCCGGG
 S P V K N S I S G Q T G V S S L K P G P
 CCTCCACCCCAACCTGGATGATCTCAAGGT GTCAGAGTTAAGACAACAGCTTCGAATCCG 1440
 GGAGGGTGGGTTGGACCTACTAGAGTTCCA CAGTCTCAATTCTGTTGTCGAAGCTTAGGC
 L P P N L D D L K V S E L R Q Q L R I R
 GGGCTTGCCAGTGTGAGGCACCAAGACAGC GCTGGTGGACCGGCTTCGTCCCTTCCAGGA 1500
 CCCGAACGGTCAAGTCCGTGGTTCTGTGCG CGACCACCTGGCCGAAGCAGGGAAGGTCT
 G L P V S G T K T A L V D R L R P F Q D
 TTGTGCTGGCAACCTGTGCCCAACTTTGG GGACATCACAACCTGTACCTTTCTGTGTCAC 1560
 AACACGACCGTTGGGACACGGGTGAAACC CTTGTAGTGTGACAGTGGAAAGGACAGTG
 C A G N P V P N F G D I T T V T F P V T
 GCCCAACACCTTGCCAGTTATCAGTCTCT CCGACAGGCTTCTACCACTTTGGCAGCAC 1620
 CGGGTTGTGAACGGGTCAATAGTCAGGAG GGGCTGTCCGAAGATGGTGAAACCGTCGTG
 P N T L P S Y Q S S P T G F Y H F G S T
 AAGTCCAGCCCAACCTATCTCCCGGCTC ATCTGACTTGTCCGCTGCAGGGTCCCTGCC 1680
 TTCGAGGTGCGGGTGGTAGAGGGGCGGAG TAGACTGAACAGGCGACGTCCAGGGACGG
 S S S P P I S P A S S D L S A A G S L P
 AGACACCTTACCGATGCGTCACCTGGCTT CGGCCTGCACGATCTCCGGTGCCCGCCTG 1740
 TCTGTGGAAGTGGCTACGCAGTGGACCGAA GCCGGACGTGCGTAGAGGCCACGGGCGGAC
 D T F T D A S P G F G L H A S P V P A C
 CACGGACGAGAGTCTGCTGAGCAGCCTGAA TGGGGGCTCGGGCCCTCCGAGCCTGATGG 1800
 GTGGCTGCTCTCAGACGACTCGTCGGACTT ACCCCCGAGCCCGGGGAGGCTCGGACTACC
 T D E S L L S S L N G G S G P S E P D G
 GCTAGACTCTGAGAAGGACAAGATGCTGGT GGAGAAGCAGAAAGTGATCAACCAGCTCAC 1860
 CGATCTGAGACTCTTCTGTTCTACGACCA CCTCTTCGTTCTTCACTAGTTGGTCGAGTG
 L D S E K D K M L V E K Q K V I N Q L T
 CTGGAAGCTGCGGCAAGAGCAGCGGCAGGT GGAAGAGCTGAGAATGCAACTGCAGAAGCA 1920
 GACCTTTCGACGCCGTTCTCGTCGCCGTCCTA CCTTCTCGACTCTTACGTTGACGCTCTTCTG
 W K L R Q E Q R Q V E E L R M Q L Q K Q
 GAAGAGCAGCTGCAGCGACCAAGGCCACT GCCCTTCTTGGCCACCACCATCAAACAGGA 1980
 CTTCTCGTCGACGTCGCTGGTCTTCGGTGA CGGGAAGAACCGGTGGTGGTAGTTTGTCTT
 K S S C S D Q K P L P F L A T T I K Q E
 AGATGTCTCCAGCTGCCCTTCGCACCCCA GCAGGCGTCTGGGAAGGACAGGGCCACAG 2040
 TCTACAGAGGTCGACGGGAAGCGTGGGGT CGTCCGACAGCCCTTCCCTGTCCCGGTGTC
 D V S S C P F A P Q Q A S G K G Q G H S
 CTCTGACAGTCCCCCTCCGGCTTGTGAGAC GGCTCAGCTGCTGCCTCACTGTGTGGAGTC 2100
 GAGACTGTGAGGGGAGGCCGAACTCTG CCGAGTCGACGACGAGTGACACACCTCAG
 S D S P P P A C E T A Q L L P H C V E S
 CTCAGGTCAAACCATGTACTCTCGTCCAC GTTTCTCAGCCCCAGTGTCCCTCAGCA 2160
 GAGTCCAGTTTGGGTACATGAGAGCAGGTG CAAAGAGTCGGGGTCACGAGGGGAGTCGT
 S G Q T H V L S S T F L S P Q C S P Q H
 CTCGCCCTTGGGGGCTGAAGAGCCCGCA GCACATCAGCCTGCCTCCATCACCACAA 2220
 GAGCGGGGACCCCGGACTTCTCGGGCGT CGTGTAGTCGGACGGAGGTAGTGGTGTGT
 S P L G G L K S P Q H I S L P P S P N N
 CCATTACTTCTGCTTCTCTTCTGGGAGC TCAGAGAGAACCATGGGGTCTCTTACC 2280

FIG. 2 CONT.

GGTAATGAAGGACCGAAGGAGAAGCCCTCG AGTCTCTCTCTTGGTACCCAGAGAAGTGG
H Y F L A S S S G A Q R E N H G V S S P

CAGCAGCAGCCAAGGGTGGCCACAGATGAC TGGTTTACAATCTTCTGACAAGTGGGGCC 2340
GTCGTCGTCGGTTCACGCGTGTCTACTG ACCAAATGTTAGAAGACTGTTCCACCCCGG
S S S Q G C A Q M T G L Q S S D K V G P

AACGTTTCAATTCATCCCCAACTTTTC TAAGTCAAGTTCAGCAGTTTCAGATATCAC 2400
TTGCAAAAGTTAAGGTAGGGGTTGAAAAAG ATTCAAGTTCAGTTCGTCAGTCTATAGTG
T F S I P S P T F S K S S S A V S D I T

CCAGCCCCATCCTATGAAGATGCAGTGAA GCAGCAAATGACTCGGAGTCAGCAGATGGA 2460
GGTCGGGGGTAGGATACTTCTACGTCACTT CGTCGTTTACTGAGCCTCAGTCGTCTACCT
Q P P S Y E D A V K Q Q M T R S Q Q M D

CGAACTCTGGATGTCCTCATTGAAAGTGG AGAAATGCCAGCCGATGCCAGGGAAGATCA 2520
GCTTGAGGACCTACAGGAGTAACCTTCACC TCTTTACGGTCGGCTACGGTCCCTTCTAGT
E L L D V L I E S G E M P A D A R E D H

TTATGTCTTCAGAAAATTCAAAGATCCC TGGGTCTCTGTCAGCCCAACTGCCATCCC 2580
AAGTACAGAAGTCTTTTAAGGTTTCTAGGG ACCCAGGAGGACGTCGGGTGACGGTAGGG
S C L Q K I P K I P G S S C S P T A I P

CCCGAAGCCCTCGGCTTCTTTGAGCAGGC ATCTTCGGGAGGCCAGATGGCCTTCGGTCA 2640
GGGCTTCGGGAGCCGAAGGAACCTGCTCG TAGAAGCCCTCCGGTCTACCGAAGCCAGT
P K P S A S F E Q A S S G G Q M A F G H

CTACGCCAACGACAGTGACGAACACCTGGA AGTCTTATTGAATTCTCACAGCCCCATCGG 2700
GATGCGGTTGCTGTCTACTGCTTGTGGACCT TCAGAATACTTAAGAGTGTGCGGGTAGCC
Y A N D S D E H L E V L L N S H S P I G

AAAGGTGAGCGATGTTACCTCCTCAAAT CGGAAGCGAGGAGCCTCTTTTGACAGCAT 2760
TTTCCACTCGCTACAATGGGAGGAGTTTA GCCTTCGCTCCTCGGAGGAAACTGTCGTA
K V S D V T L L K I G S E E P P F D S I

CATGGATGGCTTCCAGGGAAGGCTGCGGA AGATCTCTTCAGTGCTCAGGAGCTCTTGCC 2820
GTACCTACCGAAGGGTCCCTTCCGACGCTT TCTAGAGAAGTCACGAGTGTCTGAGAACGG
M D G F P G K A A E D L F S A H E L L P

TGGGCCCCCTCTCCCGATGCATGCACAGTT GTCACCTCCTTCTGTGGACAGCAGTGGTCT 2880
ACCCGGGGAGAGGGGCTACGTACGTGTCAA CAGTGGAGGAAGACACCTGTCGTACCCAGA
G P L S P M H A Q L S P P S V D S S G L

GCAGCTGAGCTTCACGGAATCTCCTTGGA AACATGGAATGGCTGGACCTCACTCCACC 2940
CGTCGACTCGAAGTGCCTTAGAGGAACCT TTGTTACCTTACCGACCTGGAGTGAGGTGG
Q L S F T E S P W E T M E W L D L T P P

TAGTTCACGCGAGGCTTCAGCAACCTTAC CTCCAGTGGGCCAGCATTTTCAACATCGA 3000
ATCAAGGTGCGGTCGGAAGTGTGGAATG GAGGTACCCGGGTCGTAAGGTTGTAGCT
S S T P G F S N L T S S G P S I F N I D

TTTTCTGGATGTTACAGATCTTAATCTGAA TTCCCCTATGGATCTCCACTTACAGCAGTG 3060
AAAAGACCTACAATGTCTAGAAATAGACTT AAGGGGATACCTAGAGGTGAATGTCGTAC
F L D V T D L N L N S P M D L H L Q Q W

GTAACACCCGAGGTACAAGAGCTACGAGA GCTCAGTGGGAATTCAATGGAGGAAGCAC 3120
CATTGTGGGCTCCATGTTCTCGATGCTCT CGAGTCACCTTAAGTTACCTCCTTTCTG
*

GATACCGGAAATGTGTGTTCCAAAAGATGA AGGGGGGAAATGGGAGGAAAAA 3180
CTATGGCCTTTACACACAAGGTTTCTACT TCCCCCTTTTACCCCTCCCTTTTTTTTT

ACAGCAACGGAGGTTTTTGTGACAACTAAC CAGAACAACAGAAGTCAGCTATTAAATA 3240
TGTCGTTGCCCTCCAAAACACTGTTGATTG GTCTGTTGTCTTCAGTCGATAATTTAT

TGTCTAAATGTAATATCTACCAGCATTAG TAACTGTTAATAACTTCAGTGATGCATTCA 3300
ACAGATTACATTATAGATGGTCGTAAGTC ATTGACAATTATTGAAGTCACTACGTAAGT

AAAATGTGCTTTGTGAGAATAAGAAATGCCA AAAATGTTTTTTCGCTGCCTTATCTCATAC 3360
TTTTACACGAAACAGTCTTATTCTTACGGT TTTTACAAAAAGCGGGAATAGAGTATG

FIG. 2 CONT.

CAGTTTTTTGGGTTTTTTTTTGTGTTT GTTTTTTGGTTTTTTTTTTTTTGTGTGTGT 3420
 GTCAAAAAACCCAAAAAACAACAAA CAAAAACCAAAAAAACAACACACACA
 TGTTATTGGTTTTCTTTTTGCCACAGTT TGTCTCAGGCAATACTGGGACATAGGCTGA 3480
 ACAATAAACCAAAAGAAAAACGGGTGTCAA ACAGAGTCCGTTATGACCCTGTATCCGACT
 CCCCATTAGCTTTTGTATGAATTTACTAA ACTTCTGTGGAAGGAGAACAGAGCCTCTG 3540
 GGGGTAATCGAAAAACAATACTTAAATGATT TGAAAGACACCTTCTCTTGTCTCGGAGAC
 CCGCGGGTGTGGGAAGCCATCCTGTGCTT GAGGACGACACGTGTGTCCATCATCATCA 3600
 GGGCCCCACACCCCTTCGGTAGGACACGAA CTCGTCGTGTGCACACAGGTAGTAGTAGT
 GTCAGAAGAGCAGGGCCTGTCTCACCCTAAT CGAGTCCTTAAGACAGAATAATCAGAATGG 3660
 CAGTCTTCTCGTCCCGACAGAGTGGGTTA GCTCAGGAATTCTGTCTTATTAGTCTTACC
 TCAGAGGACAGACCAATCAATTCCAGGA AAGCAAAAGTGAATCAATGTCCCTTGACTC 3720
 AGTCTCCCTGTCTGGTTAGTTAAGGGTCTT TCGTTTTCTACTGAGTTACAGGGAAGTGA
 CCAATGTGCTCCACTGGACTGGTGTACTCT GGTGACAACTAACTAGCTTTGTCCAGAGAA 3780
 GGTTTACCAGGGTGACCTGACCACTAGTGA CCACTGTTGATTGATCGAAACAGGTCTCTT
 TCCACCCAGAACACGGTGCTTTTTAGCCAG TAGTCCACCTCTATGTGCATCAGCAATGCA 3840
 AGGTGGGCTTGTGCCACGAAAAATCGGTC ATCAGGTGGAGATACAGTAGTCTGTTACGT
 TAGCAGGTGAGAACTTGAATCAGAAAACT TCATGCCATGGATGGAGACTCCTGAGGCGC 3900
 ATCGTCCACTCTTGAACTTAGTGTCTTTGA AGTACGGTACCTACCTCTGAGGACTCCGCG
 TCAAATACTACTACCTCTAGTTCCAAAGAC TAGAGCTAGATGATCAGAAAGGCAACTGGA 3960
 AGTTTATGATGATGAGATCAAGGTTCTG ATCTCGATCTACTAGTCTTCCGTTGACCT
 GGCCAGGAGCGCTACTGGGACAAGTTAG AATTAGAGAACGATGTCAATTAACATTCCG 4020
 CCGGTCCCTCGGCATGACCTGTTCAATC TTAATCTCTGTGTACAGTAAATTTGAAGGC
 AGAAAGAAATAACCTGAATTGCTATTACA GGAGTAACACACAGGGCCAGCTTCTTTTTT 4080
 TCTTTCTTTATTGGTACTTAACGATAATGT CCTCATTGTGTGCCCGTCGAAGAAAAA
 CTTCTTTTTTATTTTCTTTCTTATTGTG AGCAGAGGAATTCACCTCAGTTCATCTTT 4140
 GAAGAAAAATAAAAGAAAAAATAACAC TCGTCTCCCTTAAGTGGAGTCAAGTAGAAA
 CTCTCAGTACTTTCTTCAAGATATCAAT CCTTATGACTCTTTTGTCTTTAATTCTCT 4200
 GAGAGTCATGAAAGAAAGTTCTATAGTTA GGAAATACTGAGAAAACGAAATTAAGAGA
 CTCTCTCTCTCTCTCTCTCTCTCTCTT CTCTCAAAGGAGAGGTTTCAGTTCTAACAA 4260
 GAGAGAGAGAGAGAGAGAGAGAGAGAGAA GAGAGTTTCTCTCTCAAAGTCAAGATTGTT
 GCTACCATAGTCTTATTAAGCCATTTTT TTTTAGAATATTAAAGTCCAACTCTCT 4320
 CGATGGTATCAGGATAATTTCCGGTAAAAA AAAAATCTTATAATTTTCAGGTTTGAGAGA
 TGCCAAACTCTTCTTCACATGCGCATTGG CTGAAACAGAAATTACAGAATTTCTTTA 4380
 ACGGTTTGAGAAAGAGTGACGCGTAACC GACTTTTGTCTTAATGTTCTTAAAGAAAT
 GGAAGAACTGGGATGTGCCCCATTGGTC ACAAAGTTTTTTGTTTGTGTTTTGTTT 4440
 CCTTCTTTGACCCCTACACCGGGTAACCAG TGTTTCAAAAAACAAACAAAAACAAAAAC
 TTTCAATTCTGTTTGTATTATGACAATC TTTGGTTTGTATTGCTCTGGAGAAATTGGA 4500
 AAAGTTAAGAACAACTAAATACCTGTTAG AAACCAACATAACGAGACCTCTTTAACCT
 AATCATTGCAGAGTGAAGATAAATCAGGGC ACCATGTATAGTAGAGAATGTTTCAGTAGT 4560
 TTAGTAACGCTCTCACTTCTATTAGTCCCG TGGTACATATCATCTTACAAAGTCATCA
 TTTCCAAACAGAACACAATGCACACTGT AAACAACAGGAGTGTGAAGGACCACAGTCT 4620
 AAAGGTTTGTCTTGTGTTAACGTGTGACA TTTGTTGTCTCACACTTCTGGTGTGAGA
 TGAGGAGTTCTTGTGCCCCTGTGTTTGGTG AAGGCGTTGGGACCGAGGAAGACAACATA 4680
 ACTCTCAAGAACACCGGACACAAACCAC TTCCGAACCCCTGGCTCCTTCTGTTGTAT
 CAGTTTGGCCAAGGCTCTCAGAGGCTTGCT GTGGCGCAATTCAAGTATTACAATGTTGC 4740
 GTCAAACCGGTTCCGAGAGTCTCCGAACGA CACCGCGTTAAGTTCATAATGTTACAACG
 ATGCTGTAGAAAGTAGCTGTGCTGTTGTT TTTGTTTGTGTTTAAATTAAGTACCAAGGC 4800
 TACGACATCTTTCATCGACAACGACAACAA AACAAACAAAATTAATTCAGTGGTTCCG

FIG 2 CONT.

ACTGTTTTATTCTTTTGTAACAAAAAAGAGTTCAGTGTGCACTTATAGAGAAAAATAAT 4860
TGACAAAATAAGAAAAACATTTTTTTTTTTT TCAAGTGACACGTGAATATCTCTTTTATTA
CAACAATGTTGTGAATTTTTGAGAAGACTT TTTTTTTTTTGATAAACCAAGATTTAGAA 4920
GTTGTTACAACACTTAAAAACTCTTCTGAA AAAAAAAAACCTATTGGTTTCTAAATCTT
ATCATTCCATTGTCAACTTGTAACAAAAAAGAAAAA
TAGTAAGGTAACAGTTGAACATTTTTTTTT TTTTTTTT

FIG. 2 CONT.

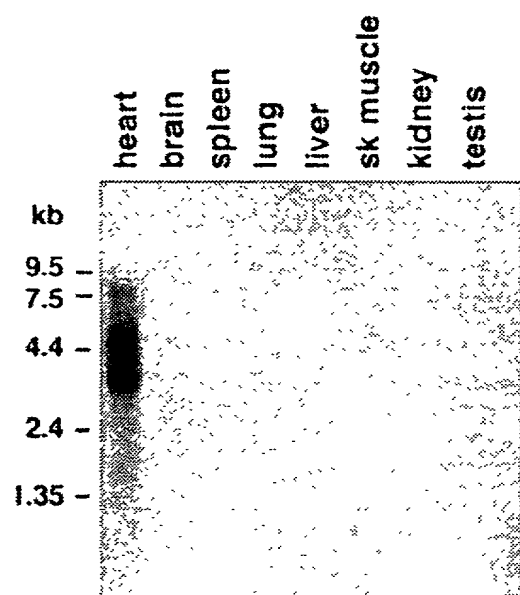


FIG. 4

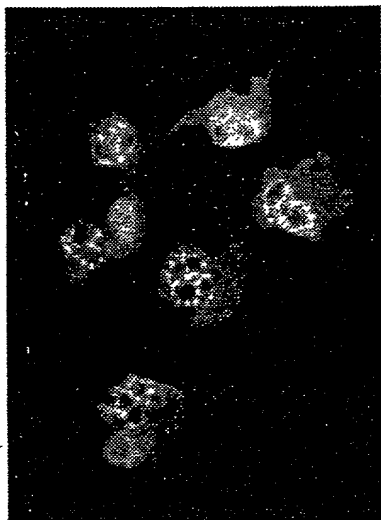


FIG. 5

Cardi-Act Domain Structure

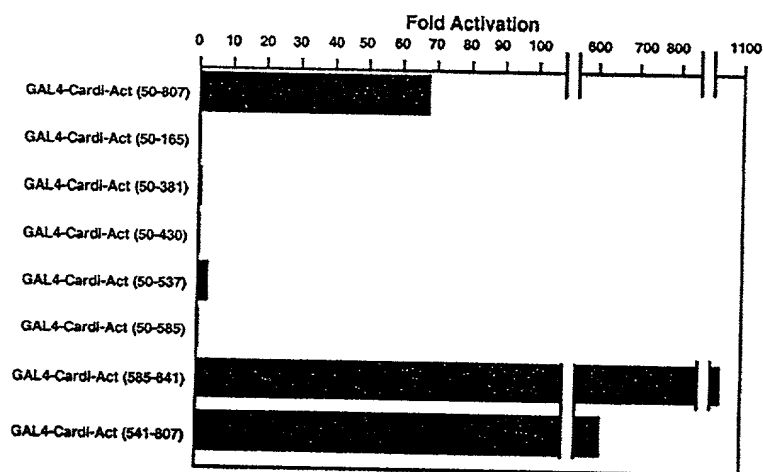
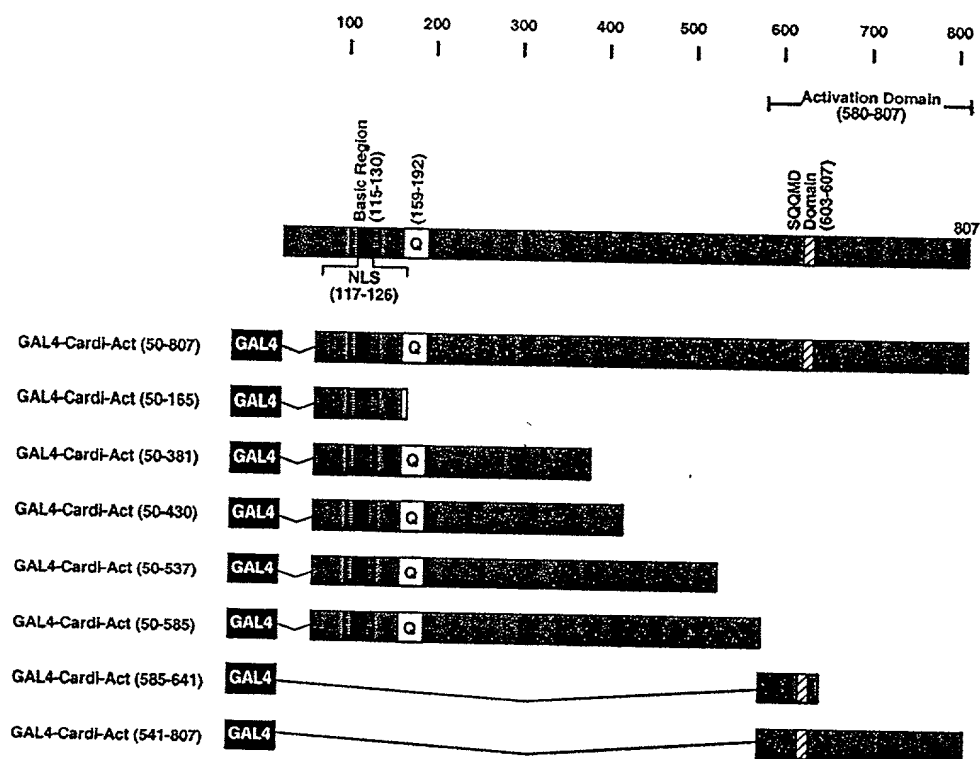


FIG. 6

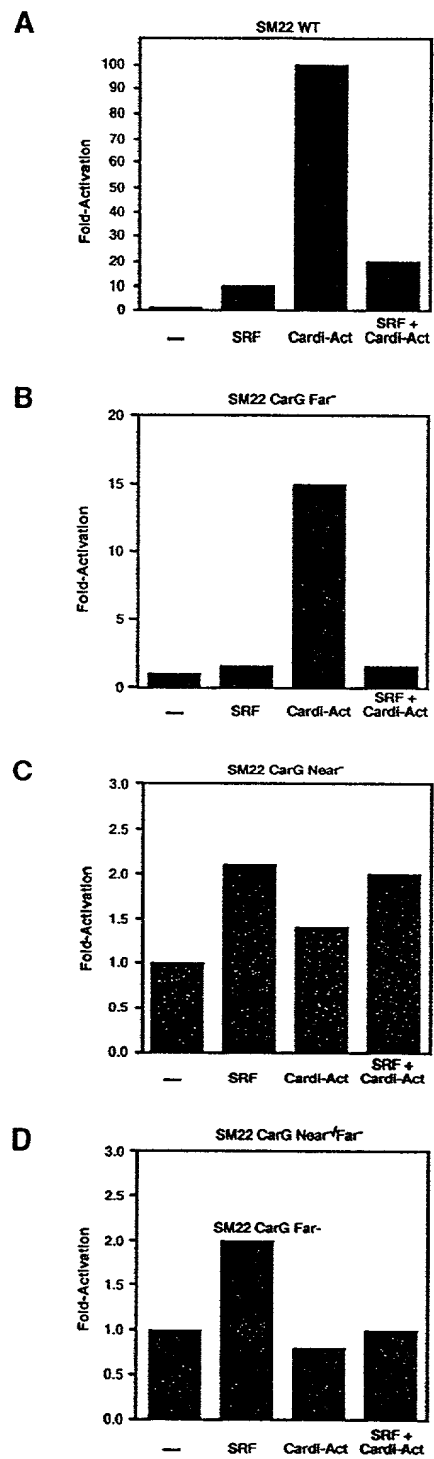


FIG. 7

Cardi-Act and MEF2C Cooperatively Transactivate MLC-2V Promoter (Cos Cell)

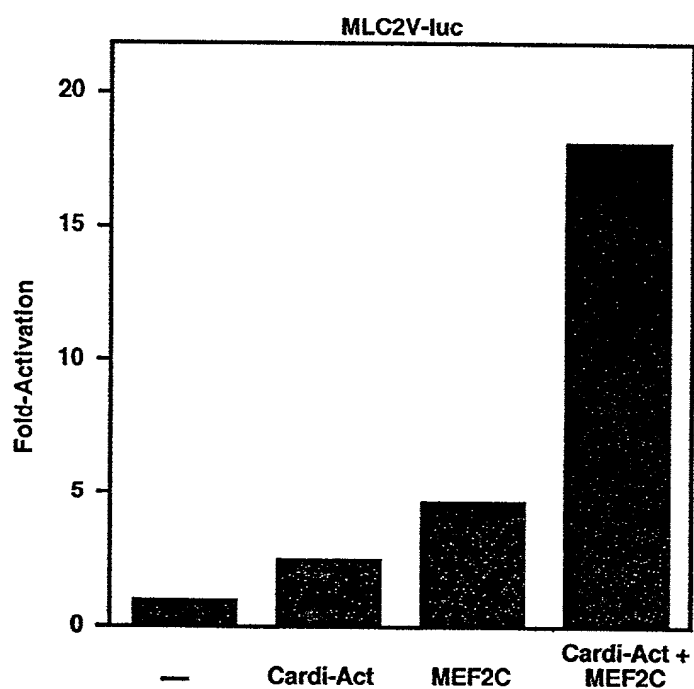


FIG. 8

Repression of myocardin activity by GATA4

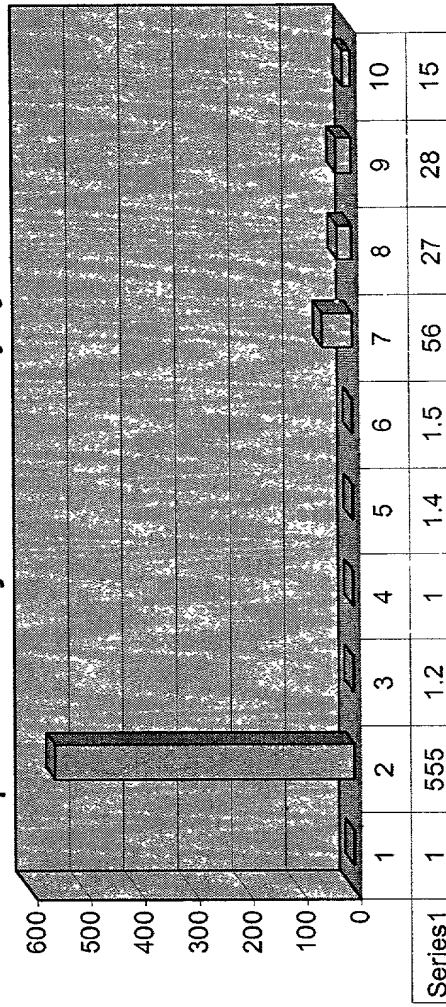


FIG. 9

Cardi-Act and Nkx2.5 Cooperatively Transactivate α -MHC Promoter (Cos Cell)

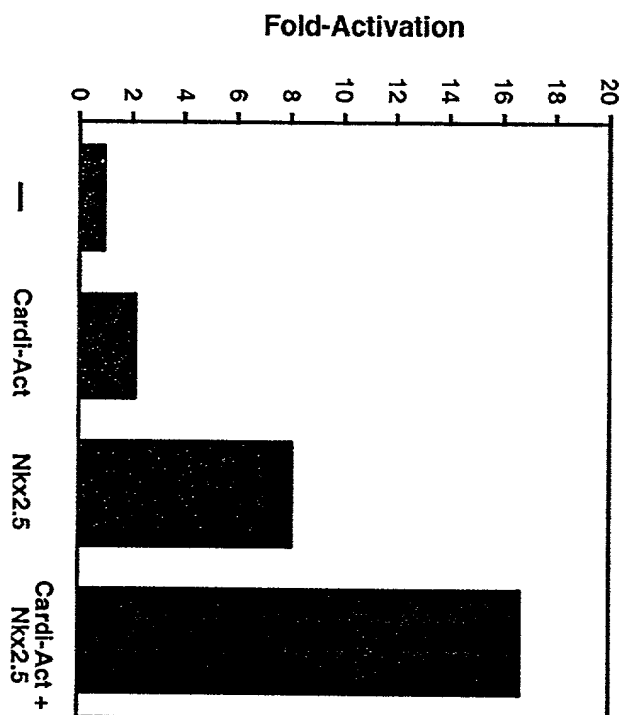
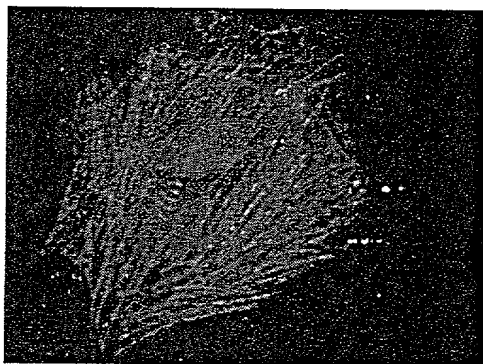


FIG. 10

Myocardin Induces Cardiomyocyte Hypertrophy

Actinin

Ad-LacZ



Ad-Myocardin

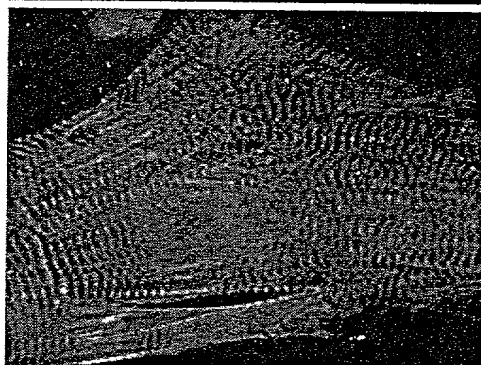


FIG. 11

Myocardin Induces ANF Expression in Cardiomyocytes

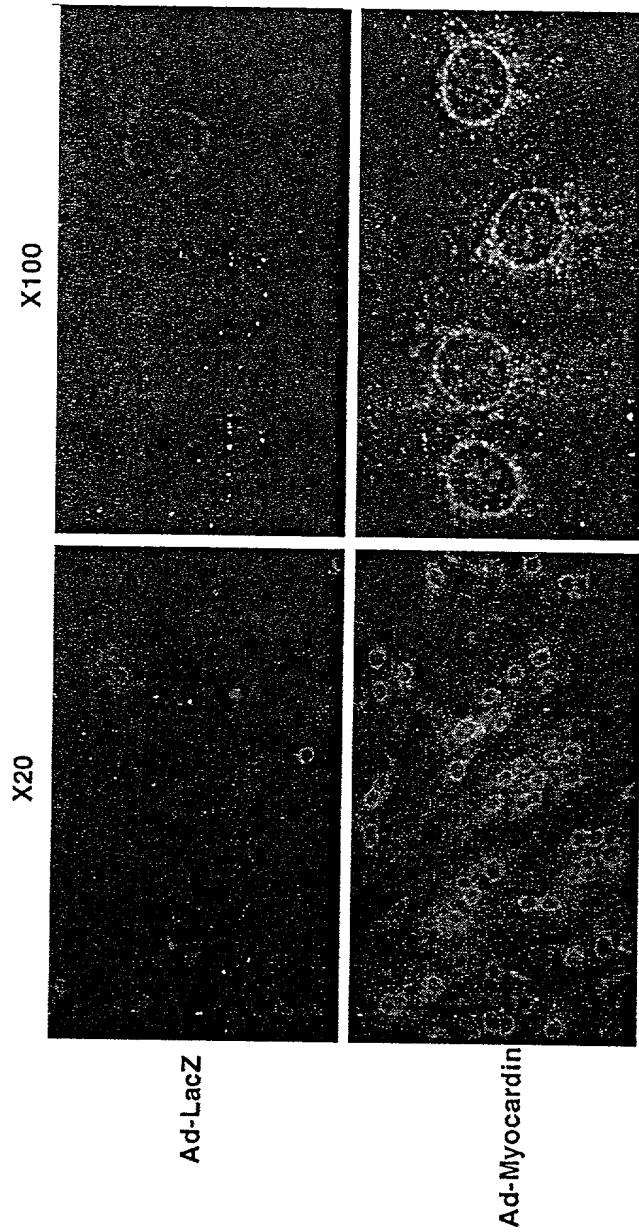


FIG. 12

Transactivation of NKX2.5-Luc by Myocardin and GATA4

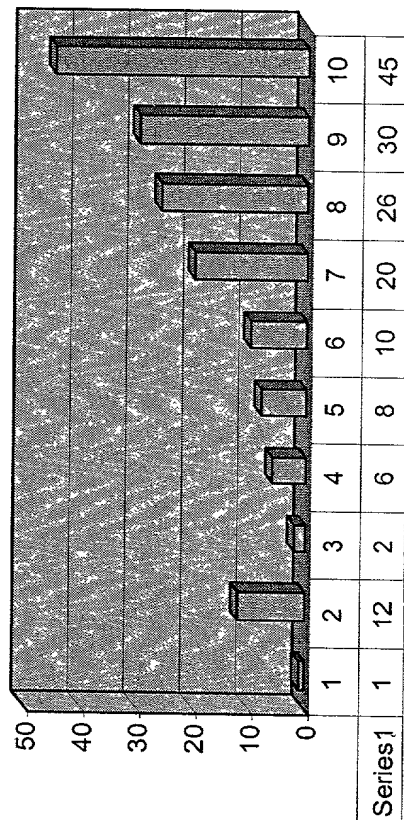


FIG. 13